

# Salt Lake Community College Biotechnology Program



- Initiated in August 2001
- Seed money provided by a 3-year NSF grant
- 2-year A.A.S. created
- 1-year high school program

# Program Highlights

- One wet lab, computer lab, cell culture facility
  - Jordan school district
  - 3 additional labs
- 2 FT faculty; 11 adjunct faculty
- 56 college students
  - 17 graduates
- 463 high school students
  - 11 high schools
- Site of early college high school
  - 78 enrolled for Fall 2004

# The Good Problem

- 65% of high school students juniors
  - Need for “next step”
    - Challenging, independent, problem solving skills
    - Company involvement limited
- College students have constraints
  - Need more flexible internship options



# What is a Contract Research Organization?

- Contracts projects from existing companies
  - Minimal start-up money
  - Low risk
  - Tested business model

# The Salt Lake Community College CRO

- Student intern-operated
- ZARS, Echelon, Sorenson Genomics, Spendlove Research Foundation
- Research and Analysis, Document Control, QA/QC, Computer Support, Human Resource, Business Development/Marketing

# Management Team

- CRO-Advisory Board
  - Partner companies, high school, legal, business, college, evaluation and community
- 2 Lab Directors
- 1 Lab Technician
- 1 Administrative Assistant
- 1 Business Development Manager
  - MBA Interns



# What do the students gain?

- Access to challenging work-based experience
- Peer-based learning
- Connection with industry
- Cross-disciplinary training
- Flexible internship opportunities

# Student Commitment

- One-half to full year internship
  - high school vs college
  - Work-based learning
- 10-12 hrs per week
- Professional
- Commitment to project team



# What do the companies gain?

- Access to research personnel
- Extended lab resources
- Greater grant opportunities
- Participation in student education
- No tech transfer head-aches!

# Company Commitment

- Consumables
- Participation fee
- Scientific advisory board
- Promotion and marketing
- Mentoring

# Sustainability

- Consumables
  - Companies
- Lab Director positions
  - Participation fees, contributions
- New Partner Companies
  - Naturol, Pharmanex
- Student Interns
  - Steady enrollment
  - 74 applications